EXCELSIOR DIARY

1876

CONTENTS.

ECLIPSES FOR 1876.

There will be four Eclipses this year, two of the Sun and two of the Moon.

I. A Partial Eclipse of the Moon, March 10; begins 0h. 25m. morn.; middle, 1h. 25m. morn.; ends, 2h. 25m. morn.; size, 3.58 digits.

II. An Annular Eclipse of the Sun, March 25, in the afternoon, visible throughout the United States as a partial eclipse.

III. A Partial Eclipse of the Moon, Sept. 3, invisible.

IV. A Total Eclipse of the Sun, Sept. 17, invisible.

MORNING STARS.

VENUS, after July 14. MARS, after August 12. JUPITER, until Feb. 19, and after Dec. 4. SATURN, from Feb. 17 to May 28.

EVENING STARS.

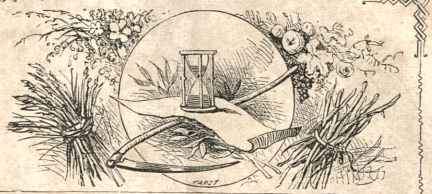
VENUS, until July 14. MARS, until August 12. JUPITER, from Feb. 19 to Dec. 4. SATURN, until Feb. 17, and after May 28.

PLANETS BRIGHTEST.

MERCURY, Jan. 25, May 18, Sept. 15, setting then soon after the sun; also, March 13, July 11, and Oct. 31, rising then before the sun. VENUS, June 17 and August 20. MARS, not this year. JUPITER, May 17. SATURN, August 27.

CHURCH DAYS.

Septuagesima Sun...	Feb.	13	Easter Sunday.....	April	16
Sexagesima Sunday..	"	20	Low Sunday.....	"	23
Quinquagesima Sun..	"	27	Rogation Sunday....	May	21
Ash Wednesday....	Mar.	1	Ascension Day.....	"	25
Quadragesima Sun..	"	5	Whit Sunday.....	June	4
Mid-Lent Sunday ...	"	26	Trinity Sunday.....	"	11
Palm Sunday.....	April	9	Corpus Christi.....	"	15
Good Friday.....	"	14	Advent Sunday.....	Dec.	3



CALENDAR FOR 1876.

1876	SUN.	MO.	TU.	WE.	TH.	FR.	SAT.
JAN.	..	..	..	..	..	..	1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	31	..	..	..	..	..
FEB.	..	..	1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	..	..	..	..
MARCH.	..	..	..	1	2	3	4
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30	31	..
APRIL.	..	..	..	..	..	..	1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	..	..	..	..	..	..
MAY.	..	1	2	3	4	5	6
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30	31	..	..	..
JUNE.	..	..	..	..	1	2	3
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	..

1876	SUN.	MO.	TU.	WE.	TH.	FR.	SAT.
JULY.	..	..	..	..	..	..	1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	31	..	..	..	..	..
AUG.	..	..	1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31	..	..
SEPT.	..	..	..	..	..	1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
OCT.	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30	31	..	..	..	..
NOV.	..	..	..	1	2	3	4
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30	..	..
DEC.	..	..	..	..	..	1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
	31	..	..	..	..	..	..

Battle of Cowpens, 1781.

JANUARY . . . . . 1876.

D M	D W	MISCELLANEOUS.	☉ RISES	☉ SETS	☽ SETS
1	Sat	Stars & St'ps 1st raised, 1776	7 25	4 43	9 39
2	1	Norfolk burned, 1776.	7 25	4 44	10 43
3	M.	Battle of Princeton, 1776.	7 25	4 45	11 49
4	T.	First qr., 10h. 28m. morn.	7 25	4 46	morn
5	W.	Richm'd b. by Arnold, 1781	7 25	4 47	55
6	Th.	Gen. Arnold born, 1738.	7 25	4 48	2 7
7	Fr.	Gen. Putnam born, 1718.	7 25	4 49	3 21
8	Sat	(9) Bat. Sanbury, Ga., 1778	7 24	4 50	4 40
9	2	Moon perigee and highest.	7 24	4 51	5 58
10	M.	Full moon, 1h. 27m. morn.	7 24	4 52	7 7
11	T.	Wash'ton at Morrist'n, 1780	7 24	4 53	rises
12	W.	(11) A. Hamilton born, 1757	7 23	4 54	6 45
13	Th.	(12) Gen. Mercer died, 1777	7 23	4 55	7 50
14	Fr.	(13) Penn. troops rev'lt, 1781	7 23	4 56	9 10
15	Sat	(2) States taxed for war, 1779	7 22	4 57	10 16
16	3	(8) Bat. New Orleans, 1815	7 22	4 59	11 19
17	M.	Bat. Cowpens, 1781.	7 21	5 0	morn
18	T.	Last qr., 3h. 53m. morn.	7 21	5 1	24
19	W.	(17) Franklin born, 1706.	7 21	5 2	1 26
20	T.	(18) Revolt N. J. troops, 1781	7 20	5 3	2 31
21	Fr.	Hamilton Sec. Treas., 1790	7 19	5 4	3 32
22	Sat	Moon apogee.	7 19	5 5	4 27
23	4	Moon lowest.	7 18	5 7	5 34
24	M.	(22) Bat Frenchtown, 1813.	7 17	5 8	6 22
25	T.	Monu. to Montgomery, '76	7 17	5 9	7 2
26	W.	New moon 8h. 46m. morn.	7 16	5 10	sets
27	Th.	Arnold's raid into Va., 1781	7 15	5 11	6 27
28	Fr.	1st N. B'k est. Phila., 1781	7 14	5 13	7 33
29	Sat	Morris 1st Treas. U.S, 1781	7 13	5 14	8 36
30	5	(29) Kansas admitted, 1861	7 12	5 15	9 38
31	M.	(26) Mich. admitted, 1837	7 12	5 16	10 48

Valley Forge, 1778.

FEBRUARY . . . . . 1876.

D M	D W	MISCELLANEOUS.	☉ RISES	☉ SETS	☽ SETS
1	T.	Wash'ton at V. Forge, 1778	7 11	5 18	11 56
2	W.	First qr, 8h. 57m. eve.	7 10	5 19	morn
3	Th.	Art. Conf. rat. by Sts. 1781	7 9	5 20	1 8
4	Fr.	Gen. Lee arr. at N. Y. 1776	7 7	5 21	2 23
5	Sat	Moon highest.	7 6	5 22	3 40
6	6	Am. Ind. ack. by Fran. 1778	7 5	5 23	4 49
7	M.	Moon perigee.	7 4	5 25	5 50
8	T.	Treaty All'ce with Fr. 1778	7 3	5 26	6 35
9	W.	Full moon, 0h. 51m. eve.	7 2	5 27	rises
10	Th.	Brit. invest Charleston, 1780	7 1	5 28	6 47
11	Fr.	British Comm'r to Am. 1778	7 0	5 30	7 54
12	Sat	(13) Br. dr. fr. Augusta, 1779	6 58	5 31	9 1
13	7	Septuagesima Sunday.	6 57	5 32	10 8
14	M.	Bat. Kettle Creek, Ga. 1779	6 56	5 34	11 13
15	T.	(10) Tr'y bt. Fr. & G.B. 1763	6 55	5 35	morn
16	W.	Last qr., 12h. om. eve.	6 53	5 36	17
17	Th.	Geo. settled at Savan. 1733	6 52	5 37	1 21
18	Fr.	Moon apogee.	6 51	5 39	2 27
19	Sat	Moon lowest.	6 49	5 40	3 26
20	8	Sexagesima Sunday.	6 48	5 41	4 18
21	M.	(20) Am. cap. Vincen. 1778	6 46	5 43	5 4
22	T.	Washington born, 1732.	6 45	5 44	5 37
23	W.	Greene pur. Cornwal. 1781	6 44	5 45	6 8
24	T.	(15) "Dec." ds. "Phila." 1804	6 42	5 46	6 35
25	Fr.	New moon, 1h. 24m. eve.	6 41	5 48	sets
26	Sat	(24) "Hor." c. "Peac'k" 1813	6 39	5 49	7 29
27	9	Quinquagesima Sunday.	6 38	5 50	8 40
28	M.	Nat. Bank corporated, 1794	6 37	5 51	9 49
29	T.	Schenect. burn. by Fr. 1690	6 36	5 52	11 21

Patrick Henry speaking against Taxation, 1765.

MARCH . . . . . 1876.

D M	D W	MISCELLANEOUS.	☉ RISES	☉ SETS	☽ SETS
1	W.	Ash Wednesday	6 35	5 53	morn
2	Th.	(3) Bat. Brier Creek, 1779	6 34	5 53	4
3	Fr.	First qr., 4h. 52m. morn.	6 32	5 54	1 29
4	Sat	Moon highest.	6 30	5 55	2 40
5	**10**	Moon perigee.	6 29	5 56	3 41
6	M.	(5) Quadragesima Sunday.	6 27	5 57	4 30
7	T.	(5) Boston massacre, 1770	6 25	5 58	5 21
8	W.	Stamp Act passed, 1765.	6 24	5 59	5 44
9	Th.	Tryon's 2d Ex. to Ct., 1779	6 22	6 0	6 11
10	Fr.	Full moon, 1h. 16m. morn.	6 20	6 1	rises
11	Sat	(4) 1st Congress, N.Y. 1789	6 19	6 2	7 49
12	**11**	French sailed for R.I., 1781	6 17	6 3	8 55
13	M.	War d'cld ag'st Algiers, 1815	6 16	6 4	10 1
14	T.	(16) Acad. est. W. P't, 1802	6 14	6 5	11 6
15	W.	Battle Guilford C. H., 1781	6 12	6 7	morn
16	T.	(17) Moon apogee & lowest.	6 11	6 8	14
17	Fr.	Last qr., 8h. 28m. eve.	6 9	6 9	1 14
18	Sat	(17) Boston evac. by Br. 1776	6 7	6 10	2 9
19	**12**	(18) Stamp Act rep'ld, 1776	6 6	6 11	2 57
20	M.	(4) Cont. Cong. exp'd, 1789	6 4	6 12	3 35
21	T.	(15) Dis. of army, N'bg, 1783	6 2	6 13	4 8
22	W.	(25) Whipple defeated, 1780	6 1	6 14	4 37
23	Th.	(26) Putnam at H'neck, 1779	5 59	6 15	5 1
24	Fr.	(27) Battle Tohopeka, 1814	5 58	6 16	5 22
25	Sat	New moon, 3h. 16m. eve.	5 56	6 17	sets
26	**13**	Mid Lent Sunday	5 54	6 18	7 35
27	M.	(28) "Essex" c. by Br., 1814	5 52	6 19	8 47
28	T.	(30) Bat. La Colle Mills, 1814	5 51	6 20	9 51
29	W.	(31) Bost. Pt. Bill pas'd, 1774	5 49	6 21	11 17
30	Th.	Moon perigee.	5 47	6 22	morn
31	Fr.	Moon highest.	5 46	6 23	35

Battle of Lexington, 1775.

APRIL . . . . . 1876.

D M	D W	MISCELLANEOUS.	☉ RISES	☉ SETS	☽ SETS
1	Sat	First qr., 1h. 16m. morn.	5 44	6 24	1 37
2	**14**	Treaty with Massasoit, 1621	5 42	6 26	2 42
3	M.	Delaware settled, 1638.	5 41	6 27	3 11
4	T.	Ind. massacre in Va., 1622	5 39	6 28	3 46
5	W.	(6) Maryland settled, 1634	5 37	6 29	4 14
6	Th.	Tryon's 1st Ex. to Ct., 1777	5 36	6 31	4 37
7	Fr.	(6) Wash. re-elec. Pres. 1789	5 34	6 32	5 0
8	Sat	Full moon, 2h. 43m. eve.	5 33	6 33	rises
9	**15**	Palm Sunday.	5 31	6 34	7 44
10	M.	(8) Louisiana admitted, 1812	5 30	6 35	8 51
11	T.	(13) T. Jefferson born, 1743	5 28	6 36	9 55
12	W.	Tax on tea repealed, 1770	5 26	6 37	11 3
13	T.	(14) Good Friday.	5 25	6 38	12 0
14	Fr.	Moon apogee and lowest.	5 23	6 39	morn
15	Sat	(16) Easter Sunday.	5 22	6 40	51
16	**16**	Last qr., 3h. 41m. eve.	5 20	6 41	1 33
17	M.	B. Franklin died, 1790.	5 19	6 42	2 6
18	T.	(14) Bat. Monk's Cor., 1780	5 17	6 43	2 36
19	W.	Battle of Lexington, 1775	5 16	6 44	2 51
20	Th.	(19) Lafayette vis. U.S. 1824	5 14	6 45	3 35
21	Fr.	(19) Ces. hos. by Amer. 1783	5 13	6 46	3 48
22	Sat	Prov. Cong. met at Ct. 1775	5 11	6 47	4 46
23	**17**	Low Sunday.	5 10	6 48	5 34
24	M.	New moon, 2h. 7m. morn.	5 8	6 49	sets
25	T.	Battle Hobkirk Hill, 1781.	5 7	6 50	8 58
26	W.	Moon perigee.	5 6	6 51	10 17
27	Th.	Moon highest.	5 4	6 52	11 27
28	Fr.	Battle above Quebec, 1760	5 3	6 53	morn
29	Sat	(30) Wash. inaugurat'd, 1789	5 2	6 54	27
30	**18**	First qr., 5h. 31m. eve.	5 0	6 55	1 11

Surrender of Ticonderoga, 1775.

MAY . . . . . 1876.

D M	D W	MISCELLANEOUS.	☉ RISES	☉ SETS	☽ SETS
1	M.	Charleston besg. by Br. 1780	4 59	6 56	1 48
2	T.	Port Royal tkn. by Br. 1690	4 58	6 57	2 19
3	W.	Wash. refuses to be k'g, 1782	4 56	6 58	2 42
4	Th.	Seige of "96" begun, 1781	4 55	6 59	3 5
5	Fr.	Cape Cod discovered, 1602	4 54	7 0	3 28
6	Sat	Union N. E. colonies, 1643	4 53	7 1	3 47
7	**19**	(10) Br. burn Camden, 1781	4 52	7 2	4 11
8	M.	Full moon, 4h. 57m. morn	4 51	7 3	rises
9	T.	(10) 2d Cont. Cong. Pa. 1775	4 49	7 4	8 50
10	W.	Ticonderoga captured, 1775	4 48	7 5	9 49
11	T.	Moon lowest.	4 47	7 6	10 44
12	Fr.	Moon apogee.	4 46	7 7	11 30
13	Sat	(12) Crown Point capt. 1775	4 45	7 8	morn
14	**20**	(12) Charleston sur. to B. 1780	4 44	7 9	4
15	M.	(12) Lafayette at M'rist. 1780	4 43	7 10	37
16	T.	Last quarter, 8h. 31m. morn	4 42	7 11	1 3
17	W.	John Jay died, 1829.	4 41	7 12	1 27
18	Th.	Eng. dec. war ag'nst Fr. 1756	4 40	7 13	1 49
19	Fr.	(20) Pat'k Henry born, 1736	4 39	7 14	2 9
20	Sat	(21) Ft. Galpin capt'd, 1781	4 39	7 15	2 33
21	**21**	Rogation Sunday.	4 38	7 16	3 0
22	M.	Col. Meigs Ex. to L. I. 1777	4 37	7 17	3 31
23	T.	New moon, 10h. 29m. mor.	4 36	7 18	sets
24	W.	Moon perigee.	4 36	7 19	9 08
25	Th.	Moon highest.	4 35	7 20	10 14
26	Fr.	(25) Ascension Day.	4 34	7 20	11 5
27	Sat	(28) Bat. G't Meadows, 1754	4 34	7 21	11 47
28	**22**	(29) Bat. Waxhaw, S.C. 1780	4 33	7 22	morn
29	M.	Gen. Putnam died, 1790.	4 32	7 23	21
30	T.	First quarter, 0h. 52m. morn.	4 32	7 23	47
31	W.	Stony P't capt'd by B. 1779	4 31	7 24	1 10

Battle of Fort Moultrie, 1776.

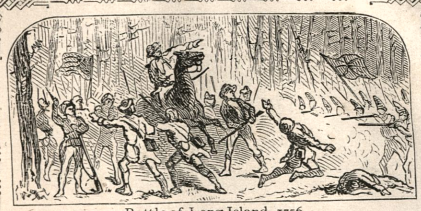
JUNE . . . . . 1876.

D M	D W	MISCELLANEOUS.	☉ RISES	☉ SETS	☽ SETS
1	Th.	Bat. Verplanck's Point, 1779	4 31	7 24	1 31
2	Fr.	Gen. Greene at "96," 1781	4 30	7 25	1 53
3	Sat	(1) Ky. admit. Union, 1792	4 30	7 26	2 15
4	**23**	Whit Sunday.	4 30	7 26	2 41
5	M.	(1) Tenn. admitted, 1796.	4 29	7 27	3 10
6	T.	Full moon, 7h. 41m. eve.	4 29	7 28	rises
7	W.	Moon lowest.	4 29	7 28	8 39
8	T.	Moon apogee.	4 29	7 29	9 27
9	Fr.	(7) Br. took Eliz., N. J., 1781	4 28	7 30	10 18
10	Sat	Burgoyne Inva. N.Y., 1777	4 28	7 30	10 42
11	**24**	Trinity Sunday.	4 28	7 31	10 56
12	M.	Gov. Trumbull born, 1710	4 28	7 31	11 29
13	T.	(16) Breed Hill fortified, 1775	4 28	7 32	11 51
14	W.	Last qr., 10h. 18m. eve.	4 28	7 32	morn
15	Th.	Corpus Christi.	4 28	7 33	11
16	Fr.	Wash'n elect. C. in Ch'f, '75	4 28	7 33	34
17	Sat	Battle of Bunker Hill, 1775	4 28	7 33	56
18	**25**	(17) Gen. Warren killed, 1775	4 28	7 33	1 26
19	M.	(18) Phila. evac. by Br. 1778	4 28	7 34	2 1
20	T.	(21) Moon perigee & highest	4 28	7 34	2 45
21	W.	New moon, 5h. 21m. eve.	4 28	7 34	sets
22	Th.	(20) Bat. Stone Ferry, 1779	4 28	7 34	8 54
23	Fr.	Bat. Springfield, N. J., 1780	4 28	7 34	9 39
24	Sat	(22) Cont. money is'd, 1775	4 28	7 35	10 17
25	**26**	(19) Gen. Greene died, 1786	4 28	7 35	10 48
26	M.	Spain dec. war ag. G. B. 1779	4 30	7 35	11 33
27	T.	(28) Battle Monmouth, 1778	4 30	7 35	11 35
28	W.	First qr, 10h. 18m. morn.	4 31	7 35	11 57
29	Th.	Tax on tea, 1767.	4 31	7 35	morn
30	Fr.	(28) Attack Ft. Moult., 1776	4 31	7 35	20

Declaration of Independence, 1776.

JULY . . . . . 1876.

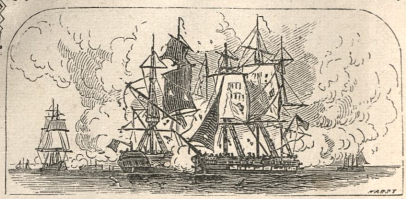
D M	D W	MISCELLANEOUS.	☉ RISES	☉ SETS	☽ SETS
1	Sat.	Tryon's 3d ex ag. Ct. 1779	4 32	7 35	44
2	**27**	(3) Wyoming Massacre, 1778	4 32	7 35	1 10
3	M.	(4) Dec. Independence, 1776	4 33	7 34	1 39
4	T.	Moon lowest.	4 34	7 34	2 24
5	W.	Moon apogee.	4 34	7 34	3 13
6	T.	Full moon, 10h. 42m. morn.	4 35	7 33	rises
7	Fr.	(6) Paul Jones born, 1747	4 35	7 33	8 39
8	Sat	(5) Am. abandon Ticon. 1777	4 36	7 33	9 28
9	**28**	(7) Bat. Hubbardton, 1777	4 37	7 32	9 33
10	M.	Gen. Prescott captured, 1777	4 37	7 32	9 54
11	T.	British evac. Savannah, 1783	4 38	7 31	10 15
12	W.	Washington took com. 1775	4 39	7 31	10 38
13	Th.	(11) D'Estaing at Npt. 1778	4 39	7 30	10 50
14	Fr.	Last quarter, 9h. om. morn.	4 40	7 30	11 26
15	Sat	Wayne cap. Stony Pt. 1779	4 41	7 29	11 57
16	**29**	(10) Fr. fleet at Newp't, 1780	4 42	7 29	morn
17	M.	(12) Burr & Ham. duel, 1804	4 43	7 28	33
18	T.	Moon highest.	4 43	7 27	1 22
19	W.	Moon perigee (20).	4 44	7 26	2 25
20	Th.	New moon, 11h. 57m. eve.	4 45	7 26	sets
21	Fr.	(12) A. Hamilton killed, 1804	4 46	7 25	8 11
22	Sat	(16) Wayne wounded, 1779	4 47	7 24	8 45
23	**30**	N. & S. Carolina div. 1729	4 48	7 23	9 13
24	M.	Battle of Lundy Lane, 1814	4 48	7 22	9 37
25	T.	Niagara surr. to Eng. 1759	4 49	7 22	10 0
26	W.	Wolfe took Louisburg, 1758	4 50	7 21	10 30
27	Th.	First quarter, 10h. 23m. eve.	4 51	7 20	10 43
28	Fr.	(27) Mur. Miss McCrea, 1777	4 52	7 19	11 3
29	Sat.	(31) Bat. Montmorenci, 1759	4 53	7 18	11 45
30	**31**	Battle Rocky Mount, 1780	4 54	7 18	morn
31	M.	Col. Hayne ex. by Br., 1781	4 55	7 17	22



Battle of Long Island, 1776.

AUGUST . . . . . 1876.

D M	D W	MISCELLANEOUS.	☉ RISES	☉ SETS	☽ SETS
1	T.	Moon lowest.	4 56	7 16	1 8
2	W.	Moon apogee.	4 57	7 14	2 0
3	T.	(2) Bat. Ft. Stephenson, 1813	4 58	7 13	3 1
4	Fr.	(6) Bat. Oriskany, N.Y. 1777	4 59	7 12	4 7
5	Sat	Full moon, 1h. 42m. morn.	5 0	7 11	rises
6	**32**	Bat. Hanging Rock, 1780	5 1	7 10	8 0
7	M.	(6) Bat. Fort Schuyler, 1777	5 2	7 9	8 22
8	T.	Battle of Brownstown, 1812	5 3	7 7	8 41
9	W.	Clark cap. Kaskaskia, 1779	5 4	7 6	9 2
10	Th.	(9) Ft. Wm. Henry sur. 1757	5 5	7 5	9 26
11	Fr.	Mas. at Ft. W. Henry, 1757	5 6	7 4	9 54
12	Sat	Last qr., 5h. 3m. eve.	5 7	7 2	10 29
13	**33**	Bat. Penobscot, Me., 1779	5 8	7 1	11 13
14	M.	(16) Bat. Sanders Cr'k, 1780	5 9	7 0	morn
15	T.	Moon highest.	5 10	6 58	7
16	W.	Battle of Bennington, 1777	5 11	6 57	1 15
17	Th.	Moon perigee.	5 12	6 55	2 35
18	Fr.	(16) Battle of Camden, 1780	5 13	6 54	3 53
19	Sat	New moon, 7h. 30m. morn.	5 14	6 53	sets
20	**34**	(19) Bat. Paulus Hook, 1779	5 15	6 51	7 37
21	M.	(18) Bat. Fishing Creek, 1780	5 16	6 50	8 0
22	T.	(20) Wayne def. Ind's, 1794	5 17	6 48	8 23
23	W.	Arnold's treason, 1780.	5 17	6 47	8 47
24	Th.	(29) Bat. Quaker Hill, 1778	5 18	6 45	9 13
25	Fr.	(14) French c. Oswego, 1756	5 19	6 44	9 41
26	Sat.	First qr., 1h. 22m. eve.	5 20	6 42	10 18
27	**35**	Battle of Long Island, 1776	5 21	6 41	11 1
28	M.	Moon lowest.	5 22	6 39	11 53
29	T.	Moon apogee.	5 23	6 37	morn
30	W.	(29) Bat. Rhode Island, 1778	5 24	6 36	54
31	Th.	(29) Battle Chemung, 1779	5 25	6 34	1 56



Paul Jones Victory, 1779.

SEPTEMBER . . . . 1876.

D M	D W	MISCELLANEOUS.	☉ RISES	☉ SETS	☽ SETS
1	Fr.	Arnold's ex. ag. Conn. 1781	5 26	6 33	3 0
2	Sat	Broughton rec. N. com 1775	5 27	6 31	4 4
3	**36**	Full moon, 4h. 17m. eve.	5 28	6 29	rises
4	M.	(3) Peace treaty, Paris, 1783	5 29	6 28	6 48
5	T	1st Congress at Phila. 1774	5 30	6 26	7 8
6	W.	Grey's exp. Eastward, 1778	5 31	6 25	7 31
7	Th.	(6) Bat. Ft. Griswold, 1781	5 32	6 23	7 58
8	Fr.	Bat. Eutaw Springs, 1781	5 33	6 21	8 29
9	Sat	(6) Lafayette born, 1757	5 34	6 20	9 11
10	**37**	Last quarter, 11h. 25m. ev.	5 35	6 18	9 58
11	M.	Moon highest.	5 36	6 16	11 0
12	T.	(11) Bat. Brandywine, 1777	5 37	6 15	morn
13	W.	Bat. Plains of Abraham, 1759	5 38	6 13	12
14	Th.	Moon perigee.	5 39	6 11	1 30
15	Fr.	Amer. abandon N. Y. C. 1776	5 40	6 9	2 47
16	Sat	Burr tried for treason, 1807	5 41	6 8	4 0
17	**38**	New moon, 4h. 58m. eve.	5 42	6 6	sets
18	M.	(17) New Con. framed, 1787	5 43	6 4	6 22
19	T.	(19) 1st Bat. Saratoga, 1777	5 44	6 3	6 53
20	W.	Bat. of Paoli, Pa. 1777.	5 45	6 1	7 13
21	Th.	(20) Gen. Woodhull, d. 1776	5 46	5 59	7 42
22	Fr.	(20) Great Fire in N. Y. 1776	5 47	5 58	8 19
23	Sat.	Paul Jones Victory, 1779	5 48	5 56	8 54
24	**39**	Moon lowest.	5 49	5 54	9 45
25	M.	First Quarter, 7h. 7m. mo.	5 50	5 53	10 39
26	T.	Moon apogee.	5 51	5 51	11 42
27	W.	(26) British enter Phil. 1777	5 52	5 50	morn
28	Th.	(23) Maj. Andre cap. 1780	5 53	5 48	46
29	Fr.	Am. besiege Savannah, 1779	5 54	5 46	1 52
30	Sat	(27) B. troops at Boston, 1768	5 55	5 44	2 54

Surrender of Cornwallis, 1781.

OCTOBER . . . . . 1876.

D M	D W	MISCELLANEOUS.	☉ RISES	☉ SETS	☽ SETS
1	**40**	Ex. ag. Egg Harbor, 1778	5 56	5 43	3 57
2	M.	Andre executed, 1780.	5 57	5 41	5 3
3	T.	Full moon, 6h. 0m. morn.	5 58	5 39	rises
4	W.	Bat. of Germantown, 1777	6 0	5 38	6 1
5	Th.	(6) Fts. Clin. & Mont. t. 1777	6 1	5 36	6 31
6	Fr.	(7) Colon. Cong., N. Y. 1765	6 2	5 35	7 10
7	Sat	2d Bat. of Saratoga, 1777	6 3	5 33	7 56
8	**41**	Moon highest.	6 4	5 31	8 56
9	M.	Moon perigee (10).	6 5	5 30	10 1
10	T.	Last quarter, 5h. 24m. mo.	6 7	5 28	11 18
11	W.	(9) Am. repul. at Sav. 1779	6 8	5 27	morn
12	Th.	(7) Bat. Kings Mt., S. C. 1780	6 9	5 25	32
13	Fr.	John Adams born, 1735.	6 10	5 23	1 47
14	Sat	(10) Gage sum. to Eng. 1775	6 11	5 22	2 57
15	**42**	(18) Con. Com. W. camp 1775	6 12	5 20	4 7
16	M.	Gen. Kosciusko died, 1817	6 13	5 19	5 15
17	T.	New moon, 5h. 1m. morn.	6 14	5 17	sets
18	W.	(17) Sur. of Burgoyne, 1777	6 15	5 16	5 40
19	Th.	Cornwallis surrendered, 1781	6 16	5 14	6 13
20	Fr.	(19) Yorktown capt. 1781	6 18	5 13	6 49
21	Sat.	Moon lowest.	6 19	5 12	7 35
22	**43**	Battle of Red Bank, 1777	6 20	5 10	8 28
23	M.	(22) Bat. Ft. Mifflin, Pa. 1777	6 21	5 9	9 37
24	T.	Moon apogee.	6 22	5 7	10 33
25	W.	First quarter, 2h. 58m. mo.	6 23	5 6	11 37
26	Th.	(22) Bat. Ft. Mercer, 1777	6 24	5 4	morn
27	Fr.	(25) Br. with. from R. I. 1779	6 25	5 3	40
28	Sat	Bat. of White Plains, 1776	6 26	5 2	1 42
29	**44**	Bd. Admiralty instal'd, 1779	6 27	5 1	2 45
30	M.	Gen. Green app. com. 1780	6 28	4 59	3 51
31	T.	Florida ceded to U. S. 1820	6 29	4 58	4 33

Franklin at Court of France, 1777.

NOVEMBER . . . . 1876.

D M	D W	MISCELLANEOUS.	☉ RISES	☉ SETS	☽ RISES
1	W.	Full moon, 6h. 35m. eve.	6 30	4 57	rises
2	Th.	Res. raise money b. Lot. 1776	6 31	4 56	5 8
3	Fr.	Am. Army disb. by Con. 1783	6 32	4 54	5 50
4	Sat	Moon highest.	6 34	4 53	6 45
5	**45**	Moon perigee.	6 35	4 52	7 52
6	M.	(3) Med. v. Andre's cap. 1780	6 36	4 51	9 8
7	T.	1st E. Con. Eliz. N. J., 1776	6 37	4 50	10 24
8	W.	Last quarter, 0h. 21m. eve.	6 38	4 49	11 36
9	Th.	(7) Bat. of Tippecanoe, 1811	6 40	4 48	morn
10	Fr.	(12) Bat. Fishdam Ford, 1780	6 41	4 47	48
11	Sat	Montreal captured, 1775.	6 42	4 46	1 57
12	**46**	Massacre Cherry Val. 1778	6 43	4 45	3 4
13	M.	Montg'ry at Montreal, 1775	6 44	4 44	4 2
14	T.	(15) Art. Confed. adopt. 1777	6 46	4 43	5 19
15	W.	New moon, 7h. 52m. eve.	6 47	4 42	sets
16	Th.	Battle Ft. Washington, 1776	6 48	4 42	4 48
17	Fr.	(18) Gen. Schuyler died, 1804	6 49	4 41	5 28
18	Sat.	Moon lowest.	6 50	4 40	6 19
19	**47**	(18) Ft. Lee capt. by Br. 1776	6 51	4 39	7 16
20	M.	Bat. Blackstock, S. C. 1780	6 53	4 39	8 20
21	T.	Moon apogee.	6 54	4 38	9 22
22	W.	Gen. Schuyler born, 1733	6 55	4 38	10 26
23	Th.	First quarter, 11h. 30m. eve.	6 56	4 37	11 27
24	Fr.	(17) P. O. established, 1776.	6 56	4 36	morn
25	Sat	Evacuation of N. Y., 1783	6 58	4 35	30
26	**48**	(24) Rev. J. Caldwell, sh. 1781	6 59	4 35	1 32
27	M.	Burgoyne died, 1792.	7 0	4 35	2 36
28	T.	British invade Georgia, 1778	7 2	4 35	3 43
29	W.	Ohio admitted, 1802.	7 3	4 34	4 54
30	Th.	Wash. at White Marsh, 1777	7 4	4 34	6 9

Washington Crossing the Delaware, 1776.

DECEMBER . . . . 1876.

D M	D W	MISCELLANEOUS.	☉ RISES	☉ SETS	☽ RISES
1	Fr.	Full moon, 6h. 8m. morn.	7 5	4 34	rises
2	Sat	Moon perigee and highest.	7 6	4 33	5 35
3	**49**	Advent Sunday.	7 7	4 33	6 51
4	M.	1st N. Ensign raised, 1775.	7 8	4 33	8 10
5	T.	Hopkins, 1st Ch'f Navy, 1775	7 9	4 32	9 26
6	W.	(3) Illinois admitted, 1818.	7 10	4 32	10 39
7	Th.	Last qr. 9h. 27m. eve.	7 11	4 32	11 50
8	Fr.	(11) Indiana admitted, 1816	7 12	4 32	morn
9	Sat	(14) Alabama admitted, 1819	7 13	4 32	57
10	**50**	(11) Wash. at V. Forge, 1777	7 14	4 32	2 3
11	M.	(12) John Jay born, 1745.	7 15	4 32	3 10
12	T.	(13) Gen. Lee prisoner, 1776	7 15	4 32	4 16
13	W.	(14) Washington died, 1799	7 16	4 32	5 23
14	Th.	(15) Moon lowest.	7 16	4 33	6 31
15	Fr.	New moon, 1h. 18m. eve.	7 17	4 33	sets
16	Sat.	Boston Tea Party, 1773.	7 18	4 33	5 7
17	**51**	(14) B. evac. Charleston, 1783	7 18	4 33	6 9
18	M.	Moon apogee.	7 19	4 34	7 14
19	T.	(4) Wash. farewell, 1789.	7 20	4 34	8 16
20	W.	Eng. dec'l war ag't Hol. 1780	7 20	4 35	9 17
21	Th.	Mass. set'd at Ply'th, 1620.	7 21	4 35	10 18
22	Fr.	Embargo on Am. Ships, 1807	7 21	4 36	11 19
23	Sat	First quarter, 6h. 45m. eve.	7 22	4 36	morn
24	**52**	(23) Wash. resig. com. 1783	7 22	4 37	21
25	M.	Wash. crossed Del. 1776.	7 23	4 37	1 24
26	T.	Bat. Trenton, 1776.	7 23	4 38	2 31
27	W.	(29) Cap. Savan. by B. 1778	7 23	4 39	3 43
28	Th.	(31) Bat. of Quebec, 1775.	7 23	4 39	4 59
29	Fr.	Moon highest.	7 24	4 40	6 14
30	Sat.	Full moon, 5h. 3m. eve.	7 24	4 41	7 17
31	**53**	Moon perigee.	7 24	4 42	rises

HISTORY OF WORLD'S FAIRS.

The first International Exhibition on record was held at Paris in 1844; it was a success.

In emulation of this undertaking, the London "World's Fair" was opened May 1st, 1851. Its chief promoter was Prince Albert, who was deeply interested in industrial progress. It was held in a Crystal Palace, constructed wholly of iron and glass in Hyde Park, designed by Sir Joseph Paxton, which covered 19 acres, and cost $880,000. Queen Victoria subscribed $5,000 and opened it in person. There were 17,000 exhibitors, and nearly 5,000 prizes were awarded. Six million visitors attended the building, or 43,500 per day, the largest single attendance being 109,915. The main attraction was the display of jewels, including the famous Koh-i-noor diamond. The profits from the enterprise were $930,000. Among the American delegates was Horace Greeley.

The third World's Fair was held at New York, in a Crystal Palace, on Reservoir Square—Sixth Avenue and 42d Street—covering 5¾ acres. President Pierce opened the Exhibition July 14, 1853, which lasted 119 days. There were 4,800 exhibitors, more than half from abroad. The principal display comprised American machinery and agricultural implements. The building cost $540,000, and the Exhibition failed to pay expenses. Julien's orchestral concerts were a marked feature.

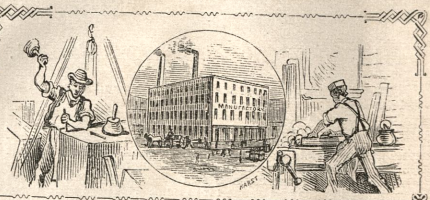
The second Paris Exhibition building was erected on the Champs Elysées, and was opened May 15, 1855. It covered 23 acres, being double the size of the London Crystal Palace. It cost about five million dollars, and was attended by four and a-half million visitors. There were 20,800 exhibitors, representing 53 foreign countries. It was not a financial success.

The second London Exhibition took place in 1862, in a special building, at South Kensington, covering 40 acres. It lasted 177 days, and was seen by six million visitors. There were 26,348 exhibitors, two-thirds being foreigners. The Exhibition, like that in Paris and the one in New York, was a financial failure.

The Paris Universal Exposition of 1867, in the Champ-de-Mars, covered 46 acres of main building, and 70 acres of cultivated grounds; the whole display costing $4,000,000. It lasted six months, and was visited by ten million persons. There were 50,226 exhibitors, and 12,944 prizes, of which American exhibitors received 180.

The Vienna International Exhibition opened May 1, 1873; also lasted six months, was in the shape of a gridiron, and covered 360 acres. The main building was 2,985 feet long, 82 feet wide, and 52⅓ feet high, with 32 transverse galleries, while the machinery annexe was 2,614 by 155 feet in size. The total number of visitors was 7,253,687. There were 643 exhibitors from the U. S., who received 349 awards. This Exhibition cost $12,000,000, and there was a deficit of $9,000,000.

The Centennial Exhibition has been planned to cover 450 acres, or as much as the Paris and Vienna Expositions united; the grand pavilion will occupy 36 acres, and the Machinery and Agricultural halls 15 acres. Some five millions have been subscribed to pay the cost of the enterprise. So many foreign applications have been received for space to display their products, that the room allotted for this class of exhibitors has been found insufficient.



PRINCIPAL EVENTS DURING THE AMERICAN CENTENARY.

Prominent among the engineering enterprises of the century are the Hoosac Tunnel, the work at Hallett's Point, and the artesian and oil wells of Pennsylvania. Iron has entered largely into modern structures; the great success so far is in roofs. The Grand Central Depot, New York, is 652 feet long and 199 feet between the walls. It covers about three acres. The first iron bridge was of cast-iron, across the Severn, England, in 1779. The bridge lately built across the Mississippi, at St. Louis, has three spans 497, 515 and 497 feet, respectively. The Niagara River bridge, 821 feet, was erected by Roebling, in 1855. The new Niagara bridge, erected in 1869, is 1264 feet span, and 190 feet above the water. We are now waiting for the Brooklyn bridge, 5,862 feet between termini, 1,600 feet between piers and 80 feet wide.

The first railroad was from Milton to Quincy, Mass., in 1826. The cars were drawn by horses. The Baltimore & Ohio was the first passenger railway: 15 miles, built in 1830. The first locomotive was built at the West Point Foundry for a South Carolina railroad; the second, the De Witt Clinton, about 1830 ran between Albany and Schenectady, 16 miles. The Pacific Railroad was completed in 1869. The mileage of railroad in the United States in 1841, was 3,535; in 1872, 67,104.

In 1832 Morse began to devote his attention to telegraphy. In that year he invented the system of telegraphing now known as Morse's. A short line was set up in 1835; but it was not until 1840 that he obtained his first patent. The first telegraph was from Baltimore to Washington, in 1844, and was a success from the start. The latest and strangest innovation is the duplex telegraph by which messages are sent over the same wire at the same time in contrary directions.

The first iron works in America were near Jamestown, Va., in 1619. They were destroyed and the workmen massacred by the Indians in 1622. The next attempt was at Lynn, Mass., in 1648. In these works, in 1652, were coined the Pine Tree silver shillings, &c. Henry Cort patented the puddling furnace in 1784. To Bessemer belongs the honor of purifying the metal by chemical means. The amount of iron made in the U. S. in 1870 was 3,395,718 tons. Of gold, 26,452,652 dollars.

What would our forefathers have said to the India Rubber manufacture in 1776? Priestley suggested its usefulness in removing pencil marks from paper. It was dissolved in turpentine and used by Peal in 1791 as water-proofing composition. Goodyear patented his vulcanizing process, June 15, 1844.

PRINCIPAL EVENTS — *Continued.*

The first important American printing-press, the Columbian, was invented by George Clymer, of Philadelphia, about 1817. Nicholson obtained a patent for a cylinder press in 1790. The Hoe press was patented in 1847. The Walter press now used by the N. Y. Times, prints from a roll of paper three miles long and at the rate of 11,000 sheets per hour. The Hoe Perfection press delivers 15,000 perfect sheets per hour.

In 1807 Robert Fulton went from New York to Albany in the Clermont, a boat of 160 tons burden. The first steamboat on the Mississippi was in 1811—the Orleans, 100 tons burden. In 1819 the Savannah (380 tons) crossed the Atlantic. Ericsson's Monitor was built in 1862. The tonnage of the U. S. Marine in 1789 was 201,562 tons, and in 1872 was 4,437,747 tons.

In 1776 plows were made of wood except the wrought-iron share. Peacock, in 1807, cast his plow in three pieces. Wood, of Cayuga co., N. Y., in 1819 patented the best plow. Steam plows are now constructed on several principles: traction engine dragging plows; engines on sides of fields dragging plows back and forth, etc.

Illuminating gas was unknown in 1776. In 1803 Winsor lighted the Lyceum theater, London, and obtained a patent for lighting streets with gas. London streets were lighted in 1815, Baltimore in 1816, and Boston and New York in 1825. Clegg invented the wet meter in 1807, Malam the dry meter in 1820.

The piano-forte was really invented by Christofori, of Florence, in 1711, but it was near the end of the century before it had attained excellence enough to supersede the spinet and harpsichord. The improvements in this instrument are marvelous, and America is in the front rank of excellence.

In no department has progress been more thorough than in wood-working machinery. In 1793 Sir Samuel Bentham invented the sliding bevel guide. Bramah invented the transverse planer in 1802. Thomas Blanchard, of Boston, invented the lathe for turning irregular forms in 1828.

Glass was known in ancient Nineveh. But it is only within three centuries that its use has become common. Blown-glass was introduced into England in 1559; plate-glass in 1673; cylinder-glass in 1846, just in time for the Great Exhibition building in 1851.

Probably no invention except the locomotive has to so great a degree expedited the transactions of commerce as the platform balance invented by Fairbanks Bros. about 1830. From their factory in Vermont, 50,000 scales are sent out annually.

Elias Howe, Jr., invented the sewing-machine in 1846. The first valuable sewing-machine was the Singer in 1850. There have been 2000 patents issued for sewing-machine attachments. Last year 600,000 machines were made and sold.

The old fashion match was a splint dipped in brimstone and kindled with a piece of tinder set on fire by a spark from flint and steel. Lucifer matches have superseded all other appliances, employing an immense capital.

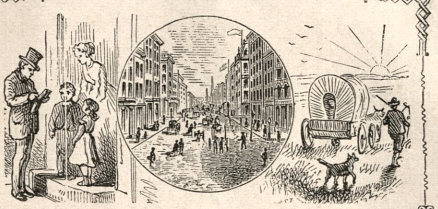
A hundred years ago the shovel, sack and tackle were used for moving grain. To-day we have steam elevators 280 feet long and 80 feet wide.

McCormick's reaper was patented in 1834, and, with improvements in '45 and '47, received a medal at the London World's Fair in 1851.

In 1776 safes were made of sheet-iron with hoop-iron bands. Wilder's safe was patented in 1843.

PRINCIPAL EVENTS — *Continued.*

1785 First high pressure engine in United States.
June 1, John Adams first American Minister to England.
1787 First cotton-mill, at Beverly, Mass.
1789 March 3, first Congress met at Philadelphia.
1790 First United States census—3,929,827 population.
1791 First American woolen manufactory.
1794 Cotton-gin patented by Eli Whitney.
1798 United States Navy Department founded.
1800 August, the capital removed to Washington.
1802 March 16, West Point Academy founded.
1803 April 30, Louisiana purchased from France.
1807 United States Coast Survey begun.
1808 January 1, slave importation prohibited.
1813 September 5, death of Tecumseh.
1817 January 1, United States bank founded.
1819 April 26, first American Odd Fellows' Lodge.
1820 February 10, Missouri compromise passed.
October 20, Florida ceded to the United States.
1825 Erie canal completed.
1826 July 4, John Adams and Thomas Jefferson died.
1832 Cholera in New York.
1834 Oberlin College for both sexes founded.
1836 First American Observatory, at William College.
Great fire in New York.
1839 Electrotypes first made by J. A. Adams.
October 19, United States bank suspended payment.
1842 April 1, the Ashburton treaty signed.
Croton aqueduct completed.
1844 June 4, war with Mexico declared.
1846 Smithsonian Institute founded.
1850 Native wines made in California.
John C. Calhoun died.
1851 December 5, Kossuth visited United States.
Victory of yacht America, at Cowes, England.
1852 Henry Clay and Daniel Webster died.
First street railway in New York.
1853 May 30, Dr. Kane's Arctic expedition sailed.
First successful steam fire engine, in Cincinnati.
1854 May 30, Indian territory enacted.
March 8, treaty with Japan.
1856 Sugar first manufactured from sorghum.
1857 October 13, commercial panic—5,123 failures.
1858 August 5, Atlantic cable laid.
December 31, treaty with Russia.
1859 October 17, John Brown's raid on Harper's Ferry.
November 28, death of Washington Irving.
1860 July, Prince of Wales visited America.
Japanese embassy in United States.
1861 February, Vassar, first female college, founded.
April 12, attack on Fort Sumter.
1864 June 19, Alabama sunk by Kearsage.
July 25, gold in New York touched 257.
1865 April 9, surrender of Lee.
April 14, assassination of President Lincoln.
1867 March 30, Alaska bought by United States.
1869 Pacific railroad completed.
1871 October, great fire at Chicago—loss 200 millions.
1872 Great fire at Boston.
1873 Brooklyn bridge begun.



POPULATION OF STATES AND TERRITORIES—1790 AND 1870.

STATES.	1790.	1870.	STATES.	1790.	1870.
Alabama	.....	996,992	N. Carolina	393,751	1,071,361
Arkansas	.....	484,471	Ohio	....	2,665,260
California	.....	560,247	Oregon	.....	90,923
Connecticut	238,141	537,454	Pennsylvan.	434,373	3,521,791
Delaware	59,096	125,015	R. Island	69,110	217,353
Florida	.....	187,748	S. Carolina	249,078	705,606
Georgia	82,548	1,184 109	Tennessee	.....	1,258,520
Illinois	.....	2,539,891	Texas	.....	818,579
Indiana	.....	1,680,637	Vermont	.....	330,551
Iowa	.....	1,191,792	Virginia	748,308	1,225,163
Kansas	.....	364,399	W. Virginia	.....	442,014
Kentucky	.....	1,321,011	Wisconsin	.....	1,054,670
Louisiana	.....	726,915	TERRIT.		
Maine	.....	626,915	Arizona	.....	9,658
Maryland	319,728	780,894	Colorado	.....	39,864
Massachusetts	378,717	1,457,351	Dakota	.....	14,181
Michigan	.....	1,184,059	D.Columbia	.....	131,700
Minnesota	.....	439,706	Idaho	.....	14,999
Mississippi	.....	827,922	Montana	.....	20,595
Missouri	.....	1,721,295	New Mexico	.....	91,874
Nebraska	.....	122,993	Utah	.....	86,786
Nevada	.....	42,491	Washington	.....	23,955
N. Hampshire	141,899	318,300	Wyoming	.....	9,118
New Jersey	184,139	906,096			
New York	340,120	4,382,759	Total	3,821,059	38,555,983

GROWTH OF POPULATION IN U. S.

Population in	Per cent. Increase	CITIES.	1800.	1850.	1870.
1800, 5,305,937	35.02	New York	60,489	515,547	926,341
1810, 7,239,814	36.45	Philadelphia	70,287	408,762	674,022
1820, 9,638,191	33.13	Brooklyn	3,298	130,757	396,300
1830, 12,866,020	33.49	Boston	24,937	136,881	250,526
1840, 17,069,453	32.67	Baltimore	26,514	169,054	267,354
1850, 23,191,876	35.87	Chicago	0	28,269	298,983
1860, 31,445,080	35.58	Cincinnati	400	115,436	216,239
1870, 38,555,983	35.00	St. Louis	1,300	77,860	310,809
		New Orleans	8,000	119,461	191,418

DOMESTIC POSTAGE.

On all LETTERS throughout the United States, 3 cts. for each half ounce or fraction thereof; if prepaid one full rate the deficient postage is collected on delivery.

DROP or LOCAL LETTERS, 2 cts. per half ounce where there is a free carrier's delivery; other offices, 1 ct.

POSTAL CARDS, 1 ct. each.

VALUABLE LETTERS may be registered by the payment of a registration fee of 8 cts. MONEY can be sent with absolute safety by mail, by procuring a Money Order. The fees are: on orders not exceeding $10, 5 cts.; $10 to $20, 10 cts.; $20 to $30, 15 cts.; $30 to $40, 20 cts.; $40 to $50, 25 cts.

PRINTED BOOKS, in one package, to one address, 1 ct. for each 1 ounce or fraction thereof, not over 4 lbs.

ON TRANSIENT NEWSPAPERS, or other PRINTED MATTER, and on Circulars, Pamphlets, Book Manuscripts and Proof Sheets, Maps, Sheet Music, Chromos and Engravings, 1 ct. for each 1 ounce or fraction thereof, not over 4 lbs.

Seeds, Cuttings, Bulbs, &c., 1 ct. for each 1 ounce or fraction thereof, not over 4 lbs.

Samples of Merchandise (except Liquids), Ores, &c., Flexible Patterns, Photographs, Stereoscopic Views, Paper, Envelopes and Blanks, 1 ct. for each 1 ounce, not over 4 lbs.

All Transient Matter, except duly certified letters of soldiers and sailors, must be prepaid by stamps.

On matter not above specified, same rate as Letters. All matter, except Letters, must be so enclosed that a free inspection is allowed, without cutting strings or wrapper.

FOREIGN POSTAGE.

ON LETTERS TO GREAT BRITAIN AND IRELAND.—For every half ounce or fraction thereof, 6 cts., if prepaid; if not prepaid, 6 cts. extra will be collected in Great Britain, and 6 cts in the United States.

To the GERMAN STATES.—For every half ounce or fraction thereof, via N. German Union direct, 6 cts.; closed mail, via England, 7 cts., prepayment optional. Postal Cards, by direct mail, one ct. extra, each.

To FRANCE (payment optional), 9 cts. for each half ounce or fraction thereof, by direct mail.

To the DOMINION OF CANADA, NEW BRUNSWICK, NOVA SCOTIA, &c., Letters, Postal Cards, Printed Matter, Samples, &c., must be prepaid same as U. S. rates, except Samples are 10 cts. for 8 ounces, must not be over 8 ounces.

To NEWFOUNDLAND, per half ounce, if prepaid, 6 cts.; if not prepaid, 10 cts. Postal Cards, one ct. extra, each.

STAMP DUTIES.

CHECKS, DRAFTS, NOTES, ORDERS, &c., if paid by Bank, Banker, or Trust Company, are subject to a stamp duty of 2 cts.; all other instruments and papers are exempt.

PRESIDENTS OF THE UNITED STATES.

NAMES.	BORN.	INAUGUR.	CON. IN OFFICE.	DIED.	NATIVE OF
GEO. WASHINGTON..	Feb. 22, 1732	April 30, 1789	8 years...	Dec. 14, 1799	Virginia.
JOHN ADAMS.....	Oct. 30, 1735	Mar. 4, 1797	4 " ...	July 4, 1826	Mass.
THOMAS JEFFERSON	April 2, 1743	" 4, 1801	8 " ...	July 4, 1826	Virginia.
JAMES MADISON.....	Mar. 16, 1751	" 4, 1809	8 " ...	June 28, 1836	"
JAMES MONROE.....	April 2, 1759	" 4, 1817	8 " ...	July 4, 1831	"
JOHN QUINCY ADAMS	July 11, 1767	" 4, 1825	4 " ...	Feb. 23, 1848	Mass.
ANDREW JACKSON..	Mar. 15, 1767	" 4, 1829	8 " ...	June 8, 1845	S. Carolina.
MARTIN VAN BUREN	Dec. 5, 1782	" 4, 1837	4 " ...	Dec. 27, 1862	New York.
WM. H. HARRISON...	Feb. 9, 1773	" 4, 1841	1 month.	April 4, 1841	Virginia.
JOHN TYLER.....	Mar. 20, 1790	April 5, 1841	3 yrs. 11 m	Jan. 17, 1862	"
JAMES K. POLK.....	Nov. 2, 1795	Mar. 4, 1845	4 years...	June 15, 1849	N. Carolina
ZACHARY TAYLOR..	Nov. 24, 1790	" 4, 1849	1 yr. 4 m.	July 9, 1850	Virginia.
MILLARD FILLMORE.	May 7, 1800	July 10, 1850	2 yrs. 8 m.	Mar. 8, 1874	New York.
FRANKLIN PIERCE..	Nov. 23, 1804	Mar. 4, 1853	4 " ...	Oct. 8, 1869	New Hamp.
JAMES BUCHANAN...	April 23, 1791	" 4, 1857	4 " ...	June 1, 1868	Penn.
ABRAHAM LINCOLN.	Feb. 12, 1809	" 4, 1861	4 yrs. 40 d.	April 15, 1865	Kentucky.
ANDREW JOHNSON..	Dec. 29, 1808	April 15, 1865	3 yrs. 11 m	.....	N. Carolina
ULYSSES S. GRANT..	April 27, 1822	Mar. 4, 1869	.....	.....	Ohio.

JANUARY, SATURDAY 1. 1876.

Ephrus Lastman
at Sun 875-8005

Franciscan Nuns
Frank Pierce
Bernida
Potatoes

25.20
50
126.00

Paid 126.00 Frame for
$ 50

6,22½
20
104,50
6
627,00

104,50

2000
1260
627
1887
2000
113 =
104.50
8,50

7 Gold
$20 Pieces

48
48
384
192
2304
48
18432
9216
31/10592 | 470
924
1819
1617
2022

JANUARY, TUESDAY 4. 1876.

JANUARY, THURSDAY 27. 1876.

Blowing a terrifick gale from N.N.W lying under reef'd foresail & goose winged main top-sail

Lat. 57=43 Long. 75=05
Bar 28.3 1/10ths the lowest I ever saw it

At 1 P M, passed close in to East side of Juan Fernandez, Could see lots of Goats grazing on the hillside! vegetation apparently growing beautifuly. This the 4th time I've sighted this iale

FEBRUARY, WEDNESDAY 9. 1876.

FEBRUARY, WEDNESDAY 16. 1876.

Cash Mr Porter $19.
Steward 10.

Fare to Lima 4.

Cash Mr Davidson $12.
Sail Maker 7.

Marketing 6.

£300 from Bryce Grace &c

Dinner 1.

Dinner 1.

Fruits 3.

Stove Pipe 3.50
Fish hooks 2.00

Fruit 2.

at 5 P.M. sail from Callao

~~Miscellaneous 2.~~

~~Dinner 1.~~
~~Medicine 1.~~

Light airs

124
10 | 1500
37 =

FEBRUARY, SUNDAY 27. 1876.

FEBRUARY, MONDAY 28. 1876.

Light wind fine weather, running up the Coast of Peru

Lat 8=24 Long 80=31

at 7 Am Made
Lobos de afuera

at 5 PM Come to
anchor at S.W. harbor
Lobos de Tierra

Capt Koopman Come
on board

Go on shore to Governor
Gain notice of being ready
to receive Cargo
"Gay days" Come
tomorrow

Ships at Sines

"E M Davis" Koopman
Southern Ocean
adelaide Morris

at Carnevaro
Ship "Resolute"
"Uncle Toby"
"Star"
"Conference"
"Mary Stewart"
Geo B Holton
Geo Ball
"Lillian"
Union

MARCH, THURSDAY 2. 1876.

Go to town in boat. The Governor promises to let us move up in eight days

"Lay days" Commence

MARCH, FRIDAY 3. 1876.

Get the first launch of guano (10 tons,)

MARCH, SATURDAY 4. 1876.

Get two Launches
Guns & putting out
Ballast.

The Frenchman Meade
shamming sick

MARCH, SUNDAY 5. 1876.

Onboard all day
Evening Capt Kopman.
Woodside & Stickney on
board

Get 2 launches of Guano & put out ballast.

Got lots of large flying fish, with the grapnel

Got 4 launches Guano

MARCH, WEDNESDAY 8. 1876.

Go up to town with other Captains of the fleet. We were ~~was~~ too late to get on board the Steamer which sails for Callao

MARCH, THURSDAY 9. 1876.

Get on launch guano

104 tons guano on board

MARCH, FRIDAY 10. 1876.

Get one Launch
Guano
discharging ballast

MARCH, SATURDAY 11. 1876.

one Launch guano
discharging ballast

Go to town they promise
that shal go up to
"Elevars" to finish loading

Go to town. They now tell me Cannot come up with vessel.

Never was so dissatisfied with any place or people as here.

These officials are void of honor. I hope I may never come to these Guano islands again. Dealing so much with rogues has such a bad influence and is so uncomfortable

MARCH, THURSDAY 16. 1876.

207½ tons cargo
on board

MARCH, SUNDAY 19. 1876.

MARCH, MONDAY 20. 1876.

Bad surf, git only one launch guano

MARCH, TUESDAY 21. 1876.

Go to town

Postage 1.—

~~Sons .40~~
~~Billy .20~~

Dinner 1.50

290 tons guano on board

MARCH, FRIDAY 24. 1876.

Go to town, Steamer
Comes from Pasta
Marketing 16.70

MARCH, MONDAY 27. 1876.

MARCH, TUESDAY 28. 1876.

Fish 1.50

MARCH, WEDNESDAY 29. 1876.

MARCH, THURSDAY 30. 1876.

413 tons Cargo

Fish .60

MARCH, FRIDAY 31. 1876.

Go to Town

Dinner 1.50
Turtle 2.00

APRIL, SATURDAY 1. 1876.

10 Ships in the Fleet
20 " at Carnevaro
3 " " Vivaro

APRIL, SUNDAY 2. 1876.

Capt Koopman &
Woodside on board

Broach water
Tank

APRIL, MONDAY 3. 1876.

APRIL, TUESDAY 4. 1876.

Shot and secured a large "Sea Lion"

Cash from Capt Turkey for 200 Cwt Sugar
8 12

APRIL, FRIDAY 7. 1876.

Bufs 1,25

APRIL, SATURDAY 8. 1876.

go to town, write to Callao to Capt Carney

Vegetables 5.
Eggs 5

APRIL, TUESDAY 11. 1876.

"Removed" ship where we were before there was not water enough, refmade out

610 Tons Cargo on board

48.7 foot

17 feet hoist

APRIL, WEDNESDAY 12. 1876.

Topgal mast $24-14-8

11 in 10 ½

APRIL, THURSDAY 13. 1876.

Capt Tilley goes to Swan
bound for Dunquerk

APRIL, FRIDAY 14. 1876.

Ship S. C. Blanchard
arrived

APRIL, SATURDAY 15. 1876.

APRIL, SUNDAY 16. 1876.

APRIL, MONDAY 17. 1876.

Bug spar from Norwegian Ship "Unique" for topgallant & royalmast / pay 48. Soles

APRIL, TUESDAY 18. 1876.

Eng. Ship "Superior" Arrived

712 tons Grand

April, Wednesday 19. 1876.

April, Thursday 20. 1876.

Go to town Steamer
arrives from Callao
Get letter from Sarah

~~Fruit 1.75~~
~~2 Sacks Potatoes 10 a 20.~~

APRIL, FRIDAY 21. 1876.

Killed a large Sea Lion and got his hide

Ship E. M. Davis' Steward=ess delivered of a fine Daughter

782 tons guano on board

APRIL, SATURDAY 22. 1876.

Go fishing starling with Capt Jacobs of Ship "Grandee"

800 tons Guano on board

Expenses at Paita

Anchorage $ 4.
Agency 13.60
Stamps & paper 4.

Water 2¢ per Gal
Beef 16¢ lb.
Chickens $12. Doz
Eggs per Doz. 50.¢

Steamer arrive from Paita

Plantain	3
Pins	2.00
Spoon	1.00
Cheese	1.80
Oranges	1.00
	8.00

Postage 1 Sale

Cash to Capt ~~Pease~~ 48
Plantain ~~Paid~~ 1.

Hear the sad intelegence that Carney Ship B C Blanchard is Crazy at Paita

APRIL, TUESDAY 25. 1876.

Go to town with Capt Jacobs

Get letters from Crawford Sue & Briggs

APRIL, WEDNESDAY 26. 1876.

Go sailing Capt Jacobs myself with our wives & children "Ship" "Messenger" also Swede & Italian vessels arrive

Go Shooting Got a
Sea Lion & Six Snipe

English Bark
"Southern Ocean"
finish loading

899½ tons Cargo on
board

English Bark "Donnatum"
Arrived

4 Brooms 3. Poles

925 tons Cargo

Ship "Southern Ocean"
Capt Huxtible Sails
for Bristol Eng direct

MAY, MONDAY 1. 1876.

MAY, TUESDAY 2. 1876.

Go to town

~~Fruit 31.~~

969½ tons Guano
on board

MAY, WEDNESDAY 3. 1876.

MAY, THURSDAY 4. 1876.

Eng. Ship "Royal Visitor" arrive

Fish 1.50
Fish pot 1.00

80 1650
55 1025
25 | 625
50
125
125

1025 tons guano on board

Steamer arrive from Callao
Get 3 tons water

~~water 15.~~
~~Fruit 2.~~
~~Oranges 3.~~
~~Dinner 2.~~
~~2 oars 4.~~
~~Comotas 2 50~~
~~28 50~~

Arrive Ships "Chas. Dennis"
and "Harry Morse"

~~Sold Knives for 26.~~

C. M. Davis finish loading

1080 tons guano on board

Steamer sails for Callao

write B&C Frank & Mother

~~Eggs 5.~~
~~Fruit 2.50~~
~~water 5.00~~
12.50

1435 tons Guano on board.

~~Capt Woodside Pay~~ ~~$2~~ Soles for Coopman

40 lbs Soap Jacobs

Keg Butter from Coopman

MAY, THURSDAY 11. 1876.

C M, Davis Capt Koopman sails for St Nazair

1187 tons guano on board

MAY, FRIDAY 12. 1876.

Call on board Ship Chas. Dennis, with my wife & Mrs Jacobs

Go on shore gunning
kill two large Sea Lion
get their hide

1249 Tons guano on
board

13
2 1/2
26
6 1/2
32 1/2

1249.
32
1281.

MAY, MONDAY 15. 1876.

[illegible]

[illegible]

12.82 tons Guano

MAY, TUESDAY 16. 1876.

Go to Carnevaro visiting on board Ships "Rock & Terrace" & St Vincent

35½ lbs Beef

32½ for Jacks

MAY, WEDNESDAY 17. 1876.

Very bad Surf day
get no guano,

Carry away stern
moorings, Large Anchor
and 30 fathoms Chain

MAY, THURSDAY 18. 1876.

German Ship Shakspeare
arrives from Callao

1332 tons on board

MAY, FRIDAY 19. 1876.

Ship Colorado Arrives from Callao

1362 tons Cargo on board

$\frac{22}{84}$

MAY, SATURDAY 20. 1876.

Steamer arrives from Callao

~~Fruit 3~~

~~Dinner 2.~~

~~Bung 1.~~

6

31 lbs. Beef

1384 tons guano on board

MAY, SUNDAY 21. 1876.

MAY, MONDAY 22. 1876.

Get 12 Sacs potatoes from Ship "Colorado"

1414 Tons Guano on board
30
1444

Fresh meat 19½ lbs

Postage
~~Stone~~
Carpenter
~~John~~
~~Mr Porter~~ 2
Koopman

1650
1444 tons on
206 board

Steamer arrives from
Paita

Plantains 2.
Eggs 5
~~Bananas~~ 1.35
Oranges 4.20
Pork 9.50
Sausages 1.00
Cheese 2.00
25.05

~~Fresh~~
~~Cheese~~ 2

1481½ tons guano on board

MAY, THURSDAY 25. 1876.

visiting Capt. Patten
Chas. E. Patten

1511 tons guano on board

MAY, FRIDAY 26. 1876.

Go up town with Capt Jacobs

1541 Tons guano on board

On survey, Ship "Cultivator"
Capt Todd
Salem

15 71 tons Guano
30
16 01

MAY, MONDAY 29. 1876.

46 lbs. Beef from "adriz"

1608 Tons Guano

MAY, TUESDAY 30. 1876.

Can Kerosene oil 5.
Dipper 1.
Nails 1.

Finished Loading

1608
40
1648

30
31
31
92

Lay days 80 Finish

JUNE, FRIDAY 2. 1876.

at Daylight Commence getting stern moorings. Drop down through the flat. a bad sea running. no guano shipped. Have plenty help from other ships.

At 4.30 P.M. sailed from S. W. partor of Lobos de Tierra

JUNE, SATURDAY 3. 1876.

Light breezes.

Lat 7=12 Long 81=28

Fresh breezes from E.S.E.
Cloudy, getting in
our Launch we sprung
the main yard, which
gives me much anxiety

D.R.

Lat. 16=09 Long. 88=41
Dist. 192

D.R.

Lat. 16=09 Long. 88=41
Dist. 192

Fine weather, Fresh steady breezes

See the first Cape Pigeon for this voyage, Saw none coming out.

Lat. 23=28 Long. 95=40
Dist 178'

Fine weather. light breezes, I fear our trade will not serve us much farther, they are giving signs of leaving

Lat. 25=34 Long. 96=25
Dist. 125

Light airs from E.N.E. to S.E. & Calms, Beautiful weather.

Lat. 26=46 Long. 96=29
Dist 70' South

Fine weather light breezes, at 7 P.M. wind hauld from North

Bent new main topsail & topgalsail that our sail maker has made while at Zobos, they set finely, we take our sea lion hide, strip it into yarns & rub it upon for popebands, think it will not chafe off

Lat. 28=09 Long. 96=31
Dist. 83. S.

First part strong gale from N N W thickening up and raining, at 7 PM wind Cond from S W with hard rain showers - latter part light airs & bad jumble of sea, sails slating badly.

Lat. 30=01 Long. 96=17
Dist 121 S½E

Calm, occasional Cats=paws from various quar=ters

Incident, a hen fell overboard, the Sailmaker jumped overboard with a line attached to him to get her, it being almost Calm he got hold of her, and the line got around his leg he commenced struggling and could not keep a Dove water, so we hauled him in by the line, 28 fathoms he was u[illegible] time

Lat. 32=15 Long. 96=41
Dist 37 S.

Fine weather moderate breezes from west & S.S.E.

"Toots" Cutz his first tooth - quite an event - loose a hen overboard Carpenter repairing water Closet

Lat. 30=01 Long. 96=17
Dist 121 S½E

Fine weather light airs from S.W. to E.S.E.
Caught several Cape Pigeons

Lat. 32=15 Long. 96=41
Dist 37 S.

First part moderate
breezes - Cloudy -
latter part wind
hauling N. E.
fine weather
but overcast

D.R.
Lat 33=59 Long 76=45
Dist 104

First part moderate
breezes - Cloudy
latter part wind
hauling from north & increasing - occasional Rain
Bar. falling -

Rove new wheel ropes

D R
Lat 37=02 Long 76=50
Dist 192

JUNE, TUESDAY 20. 1876.

Heavy Gale from SW

Lat. 37-30 Long 95-25
Dist. 82,

JUNE, WEDNESDAY 21. 1876.

Gale from S.W.

Lat. 37.38 Long 93-45
Dist. 80

Lat 38=02 Long 92=12
Dist 62

Strong breeze from S.W.
& Moderating. Set
upper main topsail & reefd
fore sail. Sea still
running badly

Lat 38=21 Long 91=25
Dist 53

JUNE, SATURDAY 24. 1876.

Fresh wind from W S W
alternately Clear & Cloudy
all hands employed Pla,
heaving overboard wet
Guano, Setting up fore rigging
&C.

Lat 38-48 Long 94-49
Dist 150 W by S

JUNE, SUNDAY 25. 1876.

Blowing a fearfull strong
gale from S.W. fearfull
heavy sea running
shipping much water
at times rain & hail

Lat 39-06 Long 94-05
Dist 52.
Sun obscured

Moderating, Just
bouys from S.W.
at 9 A.M. wore
Ship to W.S. bad sea on

Lat. 39=17 Long. 92=32
Dist. 25 E.S.E.

Light airs & Calm
at 2 P.M. air spring
up from N.W.

(3)

Lat. 27=59 Long. 95=45
Dist. 15 E.S.E.

Variable breezes
from N.W. to S.W.

Putting on a new mast
Coats to main mast

Lat. 39-00 Long. 95=42
Dist. 118.

No alt

Variable breezes from
North to W. Cloudy
Rain showers

No alt

Lat. 41-12 Long. 95=40
Dist. 136

Variable wind from N.N.E. to N.W. and from light airs to fresh gales. Alternately Clear & Cloudy. rain showers

Annie & myself making an ensign, for home use. (intended)

"Tots" got two teeth

Lat. 42 = 34 Long. 95 = 47

Dist 80

Blowing strong gale from N.W. Scudding under lower main topsail & fore sail

Heavy sea running

Lat. 45 = 10 Long. 94 = 20

Dist 165

Blowing a gale from W N W, at times heavy squalls with rain, bad sea running shipping much water.

Lat 47=14 Long 92=05
Dist 158 S86 S

Blowing fresh from W.S.W. to W.N.W. Throughout the night blowing furious gale from N.W. rain & hail squalls

Butchered a pig weight (dressd) 269 lbs.

Lat 48=41 Long 90=07
Dist 116

First part blowing a furious gale from W.N.W. scudding under lower topsails & fore sail
Moderating as the day advances

Independence Day, and the Centenial year — our people at home are having such joyous times we are suffering with Cold and wet from almost Constant seas breaking on board

Meridian altitude of Sun 16°.19'

Lat. 50-40 Long 87-05
Dist. 140

First part fresh breeze from West,
Latter part blowing furious gale from N.N.W.

Bar. 29—
D.R.
Lat 52-48 Long 84-40
S.E. Course
Dist 18 3/4 hr patent log

First part blowing furious gale from N.W., heavy sea running & latter part moderating, occasional squall of sleet & snow.
A sea stove in the galley door and gutted the same, rolling heavily
The worst weather I ever experienced getting around Cape Horn

Bar. 28 7/10 ths

Lat. ~~56-33~~ 55=15 Long ~~77-40~~ 81-42

Dist ~~157~~ 180 per patent log

Lat. 56-33 Long 77=40

Dist 159 per log

variable wind from N.W.
to N.N.E., at times heavy
squalls with hail & snow.

?

12 feet water in tank

Meridian altitude of Sun
10° 30'

Ther from 32° to 45°

Lat 57-00 Long 71-00
Dist 228

Variable winds and weather
Occasional snow squalls.
Passed several vessels
bound west At 1 P.M. make
the land - Cape Horn

The first sail seen since
leaving Foot.

Lat D R. 56-20 Long 67-50
Dist 113' N.E. by Compass

Moderate breezes from Northward, Two Ships in Company bound with us

D. G.

Lat. 55=30 Long. 64=00

Dist 144' per Log

Variable wind from S.W. to N.W. occasional snow squalls

Lat. 54=07 Long. 59=41

Dist. 182

variably wind from
west to N.N.W.
occasional show
of rain & snow

Annie & myself finished
our Ensign for home use

Lat. 51=55 Long 54=10
Dist 235

Fine weather
variable breze
from North to West

Suns altitude has got up
to 18°-47
How thankful
we all feel that have at
last got safely around
that awful Cape Horn
and going rapidly North
into fine weather

Lat. 49=16 Long 57=57
Dist 181

Moderate breezes from west to SW. Fine weather

employed making a bracket.

Lat. 47=13 Long. 50=47

Dist 140' N.W.

Variable breezes from North. Cloudy

Lat 46=42 Long 47=12

Dist 145,

Strong breezes from N.N.W.

Cloudy

D R

Lat 44-50 Long 43-40
Dist 185-4 per Log.

Fresh gales from N.W. to N.N.W. bad sea running, shipping much water. put the jackstaffs in weather & skylight windows for first time

Ship overruns the patent Log

Lat 41-15 Long 41-38
Dist 200' N.N.E.

Moderate breezes from
West to N.W.
Fine weather

Ther. up to 56° in sun
Meridian alt 28=48
We heartily rejoice to
get in good weather
again

46 Days out

Lat 40=04 Long 39=44
Dist 150'

Fresh breezes varying
from N.W. to South

Lat 37=24 Long 38=10
Dist 180' N.N.E.
~~Lat 40=04 Long~~
~~Dist 150 N.E.b.N~~

~~Blowing heavy gale from S.W.~~

~~lower main topsail under fore topsail & staysail~~

Fine weather fresh breeze from S.S.W.

Lat 34=52 Long 36=56
Dist 175

~~Lat 41=30 Long 95=25~~
~~Dist 82~~

~~Heavy gale from SW~~

Fine weather pleasant breeze from S.S.W. to S.

Commd serving dinner

Lat 32=17 Long 35=01
Dist 170 N8½W

~~Lat 41=48 Long 93=45~~
~~Dist 80~~

~~Heavy gale from S.W.~~

Fine weather, light breezes from S.E. & E.N.E.

50 Days from Sobs

9 foot 7 in water in tank

Lat 30 = 03 Long 34 = 06
Dist 135 N.N.E.

~~Lat 42 = 02 Long 91 = 12~~
~~Dist 62~~

~~Heavy gale from S.W.~~

Fine weather, light airs from North & Calm

"Carrie" weighs 26 lbs
"Tools" " 21½ "

D.R.
Lat 39 = 40 Long 91 = 55
Dist 640 E.N.E
Obs.
~~Lat 41 = 32 Long 91 = 30~~
~~Dist 62~~

Light variable air

Com^d. Keeping all hands in P.M.

Lat. 29=12 Long 31=52
Dist. 62

~~Lat. 41-05 Long 94=50~~
~~Dist. 153 W by S~~

Fine weather, light airs from North. & N.W.

Lat. 27-59 Long 30=20
Dist. 135 N E b E

~~Lat 40-52 Long 94=15~~
~~Dist. 52~~

Light air from N.W, & Calms Sea very smooth

Lat 27=39 Long 30=05
Dist 25

~~Lat 40=40 Long 94=35~~
~~Dist 22~~

A Light variable breeze from northward. Fine weather.

Spoke a French Bark the "Hippocrane" 47 from St Nazaire for Bordeaux

Sent boat on board got some Tar & twine of which we were much in need. The Capt sent the Children two Rabbits also 9 bottles various kinds of wine & liquor for which he would take no pay

Lat 27=12 Long ~~31=19~~
Dist 78 E N E

~~Lat 40=45 Long 94=12~~
~~Dist 20~~

Light variable airs from N. & E. Fine wed.

Signalized with English Ship "Palmas" from Sunderland for Singapore 43 days

Lat. 26-48 Long 27-50
Dist 50 E N E
Lat 41-01 Long 95-40
~~Dist 11 W by N~~

Light breezes from various quarters, light rain showers

our Companions the pretty little Cape Pigeons have left us and gone back home to the Cold regions

Lat 26 Pk Long 29-24
Dist 150
~~Lat 41-12 Long 95-50~~
~~Dist 140 South~~

Light airs from South
Fine

Lat. 24=31 Long 29=50
Dist. 90 M
~~Lat 47=30 Long 96=30~~
~~Dist 80~~

Light airs from S.S.W. to
S.S.E. Fine

Lat. 23=26 Long 29=20
~~Dist~~ 65 N.E.
~~Lat~~
~~Long~~
~~Dist~~

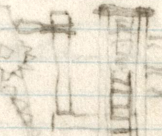
Fine weather
moderate S.E.
Trade winds

At 1.30 P.M. made
island Trinidad
right ahead.
Chron. is just
correct. 'tis 11 months
since it was rated it
performs wonderful well

Lat. 21=08 Long 29=11
Dist 140 N.

Fresh "Trades" occasional
squalls coming from E.N.E

Signalled Bark Jennie Doutitt
of Wick from London for
Algoa Bay



Lat. 18=12 Long 30=30
Dist 182 N.N.W.

AUGUST, THURSDAY 3. 1876.

Fine weather, variable "Trades" ocasional squall arises in S.E

Bar has fallen

Carpenter has made a spinning jenny so that we make Rattline stuff from old junk good or better than the bought article

Lat 15=34 Long 31=34
Dist 166

63 Days from Sobos

AUGUST, FRIDAY 4. 1876.

Fine weather, light airs from E;

All hands employed about ships duties

Annie making a dress, the Children full of mischief my making a Bracket

Billy stripping the forward entrance over head

8=4½ in water in tank

Lat 13=38 Long 32=10
Dist. 120 N.N.E

AUGUST, SATURDAY 5. 1876.

Light Trades
Fine weather

in Company with a
Small Holland brig

Lat 12=22 Long 31=38
Dist 84 NNE

AUGUST, SUNDAY 6. 1876.

Fine wind & weather

Lat 9=41 Long 30=50
Dist. 170 NNE

Variable Trades
Frequent squalls with
rain hauling the wind
and heading off

Got struck aback
and broke studding sail
boom

Comed a fancy box

Lat 6=45 Long 30=12
Dist 178 N.N.E.

Fine weather & wind
from E by S

Comed
Carpenter making me a
Camphor wood trunk

Lat 4=11 S Long 29=26 W
Dist 167 N.N.E.

Fine weather. Fresh "trades" from East

Exchanged signals with French Bark — from Conception for Belle Isle

Lat. 00=45 N. Long 29=30

Dist 206 N.

Fine weather. fresh trades. At 4.30 P.M. Crossed "Earths" Centre line my 18th Crossing

At 11 P.M. made St Paul's Rock. 4th first time I ever saw it

Time to Equator 68 Days & 7 hours. having sailed the total distance of 8907 miles

Daily average 130.88 M.

what a fib,

Sailmaker Cut a new Royal No 5 Gourock Canvas

Lat. 2=32 N Long 28=49

Dist 197 N.N.E

10 weeks from Lobos

AUGUST, FRIDAY 11. 1876.

Fine weather & smooth sea
Fine breeze from SE, to South.

Lat 5=11 N Long 28=53
Dist 159

AUGUST, SATURDAY 12. 1876.

Fine weather smooth
Light breezes from SSE, to SW
Got the SW "Monsoons"

making an oak "Bracket"

all hands employed making at ships duties

Lat 7=06 Long 27=44
Dist 132

Light S.W. monsoon throughout

Lat. 9=05 N. Long 27=10

Dist 125'

variable breezes from S.W. to Wly. N. Rain

Lat. 11=02 Long 27=06

Dist 120'

Light airs from N.N.W to North

Signaled Eng Ship Lady Jocelyn, 15 days from London for Port Adelaide full of passengers

Lat. 12-49 Long 25-59
Dist 118'

Calm an occasional "Cats Paw" from all quarters

Rain squalls

Lat 12-55 Long 25-57
Dist 12'
~~Lat 14-22 Long 26-15~~

Light breezes from S & SW, The Ship & Bark in Company Pass several sail bound South

Reconstructing the "Dispensary"

Lat 14=22 Long 26 75
Dist 90

Light airs from SW, & West, & Calm

Several sail in sight

Boarded Ship Wagoola Eng 24 days from "London" for Hobart Town got late news papers

Lat 15=44 Long 26=44
Dist 90

Light airs, Calms
and at 2 P.M.
got first N.E.
Trades
several sail in
Company

Lat. 16=18 Long 26=58
Dist 34

Light baffling "Trades"

Lat. 17=08 Long 28=15
Dist 80'

80 Days from Solos

AUGUST, MONDAY 21. 1876.

Fresh breezes, from N.N.E. to N.W. At noon, tacked Ship to N.N.E. "Bad" Trade hard Chance to get along

Rain Squalls

No obs.

Lat. 17=25 " 31-05 Long.

Dist 180 W.

AUGUST, TUESDAY 22. 1876.

Moderate variable breezes from N.W. to S.E. wind gradually backing back into the regular Trades

Lat. 18=55 Long 31-00

Dist. 90'

Moderate Trades
Rain squalls

Lat 20 = 47 Long 30 = 17.
Dist 112

Light steady "Trades"

At 9 am Passed & spoke
Brig "Aneroid" 41 days from
Port Nolloth for Swansea
Cargo Copper ore

Lat 22 = 44 Long 32 = 11
Dist 140 N.W. by N

84 days from Solo

AUGUST, FRIDAY 25. 1876.

Light trades

all hands employed below on Cargo covering with dry grains where wet has been.

Sailmaker repairing topsail. Carpenter Caulking Cabin

myself making Coin box to keep old & curious Coin in

Lat. 24=14 Long. 33=35

Dist. 120

AUGUST, SATURDAY 26. 1876.

Light airs & Calms

Painting ship inside

Lat. 24=40 Long. 33=57

Dist. 30 N W by W

Light airs from E.

two Ships one Bark in Company one has three skysail yards

Lat 25=46 Long 33=39.
Dist 70 miles E

Moderate breezes, fine weather, smooth sea

we rather outsail the Skysail yard Clipper

Lat 28=03 Long 33=48
Dist. 137

moderate Trades
Cloudy, most the tim

Painting inside, Carpenter
Caulking his shop

Lat. 30=26 Long 33=43
Dist 143. N.

Light variable breezes
from Eastward

all hands employed
Painting, holystoning &c,

Sails: making Royal
Stay sail. Carpenter making
shelves in Shop

Lat. 32=27 Long 33=54
Dist. 122

Light airs from various Quarters

Lat 33=38 Long 34=29
Dist 81

Light airs from all quarters & Calm & excessively warm.
Light sail in Company all bound with us

Scrubbing & varnishing the poop deck

Lat 33=59 Long 34=20
Dist 24

Light airs, mostly from Westward & Calm had nice little rain shower

Lat 34=30 Long 34=06
Dist 35

Light airs & Calms

Caught a Spark eleven feet long

Lat 35=05 Long 33=50
Dist 40

Light variable breezes from West to N.W.

Lat. 36-42 Long. 32=52
Dist 109.

Fine weather Moderate breezes from N.W.

At 10 P.M. Made the Island Flores

Lat 38-37 Long. 31=50
Dist. 125

Light airs & Calms

Island of "Flores"
bearing N.N.W. dist
5 Miles. The Houses
Building & cultivated
spots of ground very
distinctly visible

3 feet 8 in water in Tank

Lat 49=22 Long 31=16
Dist. 58

Calm, occasional "Cats paws" from westward

The islands Flores & Corvo
distinctly in view —

"Crowded in the tank & narrow Ship
Housed on the wild sea with wild usages,
Where e'er in the inland dales the land breeze
Of fair & exquisite O! nothing nothing
Do we behold of that in our rude voyage"

Lat 39=32 Long 30=59
Dist 13

Calms at 6 PM, light air sprung up from S.E. and we proceed slowly on our way

People employed painting outside tin

Myself making Stars for the Cathead

Lat. 40=25 Long 30=17
Dist 65

Fine, light airs from S.E. & South

Painting outside tin scraping &c. Sailmaker got all the sails in repair

Broached Bbl Sugar 300 lbs

Lat. 42=02 Long 29=16
Dist. 108

100 days from Sobo

SEPTEMBER, SUNDAY 10. 1876.

Light airs from South=ward, Fine weather

Hard chance to get along — The longest time I ever was at Sea

Lat 44=54 Long 28=06
Dist 76

SEPTEMBER, MONDAY 11. 1876.

Fine weather, light breezes from South.

2 Foot 10 in in tank

Lat 44=19 Long 28=06
Dist 108

Fresh breeze from S.E. and fine weather at 8 P.M. Come thick weather wind hauld from S.W. light drizzly rain Sine / Ascended

Bent Cables

D.R.

Lat. 47=45 Long. 18

Dist run Log 171 run Ac. 180

Variable breezes from S.W. & W.N.W. drizzling rain thru sail in Company

Lat. 48=15 Long. 14=57

Dist 130'

Fine weather steady
breezes from W S W &
W N W. several sail
in Company. Passed
three vessels bound to
westward in ballast
where are they bound?
and what are the people
of the world doing?
wonder if anch are
butchering each other

Lat. 48=34 Long 10=37
Dist 170

Fine weather moderate
breezes from S.W. to W.
Many vessels in company
& passing a Amer. Schoone
"Sapphire" for London passed
close to Ship "Fawn"
bound west

49
Lat. 38=43 Long 7=55
Dist 120

108 days from S. Ws

Moderate steady breeze from S.W. At 2 PM it being hazy made the "Lizard" bearing North
Signalled the station from which hope our friends will hear from us
Numerous craft of all kinds around

At 8 PM make Eddystone light

Light variable airs & Calm. at times thick fog. Off Start point

110 days from Zobos

SEPTEMBER, WEDNESDAY 20. 1876.

Light airs from Eastward and Calms, at times very thick fog at 8 PM. Cleared up made Portland lights

At 11 PM made "Caskets" lights

SEPTEMBER, THURSDAY 21. 1876.

At 5 AM. got Havre Pilot

Light airs from S.E.

Fine weather, light airs from S.E. at 2 P.M. make the land to west of Havre.

At 2 AM, Come to anchor in Havre roads 3½ miles from town

at 1 PM, Come in dock. Get letters from home all well

Cash from Brown 100 F

Dinny 5.
Fruit 10.

$45

Cash to Sailmaker 20/
" " Mr Davidson 20.

Cash from Consignee
7500. Francs
25000.
Marketing 296. 4

Amt. to Pay men 9290 f

Slop a/c 150. 6-10

Marketing 5. f

2500 Francs from Consigne

Cash to Mr Porter 100 f
" Bill 5. f
" Louis 5. "

Take Annie out Shopping
103 Francs

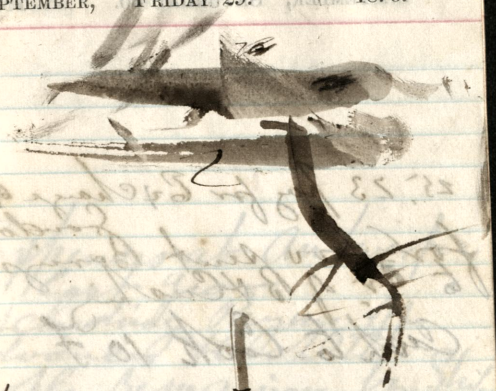
Fruit 6 Francs

Draft of water in
dock! Salt water
f. i.
22 - 2 aft
21 = 10 Foward

F. i.
21=6

Cost Consd Services

Draft of Water at Antwp
last voyage - Fresh water
aft 21=5 Foward 21-7
Mean 21=6



Dinner 10 F.
Fruit 2 "

25. 23 Pay for Exchange on London
for £1000 sent Barings
to Cr. of B & Cushing
Cash to Cook 10 F

24 Cr. Francs deposited
with Franca & Co Brokers

Cash to Mr Porter 100 F
Billy 5.
Sons 5.
Harry 2
Cook 10.

2 locks 4.
vegetables 3.
119

Expenses at Antwerp
last year
Excluding Paying off
advances & Clothing
people remaining by Ship
£514 —

myself wife & Carrie go
as far riding

Cash to Mr Porter 3. F

vegetables 5,

Cash to Billy 5/7 & £1 —
" " Louis 5/7 + £1 —

William Payne
no 2 Anchor Lane
Cannons' Marsh
St Augustin
Bristol

Louis Lethorth
3 York Place
St Augustin
Brandon Hill
Bristol

Cash to Mr Porter 10/7

Marketing ~~4/7~~

Discharged Lynch's
Cook

New Cook Com^d Service

Marketing 12, 7

Out Riding

Cash from Broker 300 7

Marketing 4.

Cash to Mr Porter 300 7

Cash to Cook 5. 7

Send Billy Payne Check for his wages £13=19=1

Cash from Broker 200 F

Marketing F ~~28.50~~

Cash to Cook 10 7

Marketing ~~8.50~~

Sent Check for
wages $521-8

Marketing ~~11. 7~~

Merville Broker

Henry Check for £5=12

My weight 71½ Kilos

Marketing ~~29 Francs~~

715
220

Take family out riding & shopping

Cash to Clerk 20 f
Previously 15 f
he not on duty this day

~~Marketing 8 f~~
~~Fruit 2~~

Boy Joe Cond Service

Bark Champion Capt. Perry

our Coat 115 F
Blackbirds 165 "

Cash to Mr Porter 40 F
" Cook 25 "
" Previously 10 "

marketing 14 F

Marketing 5.

Pay big Boy 10. F

Cash to Boy Joe 3. F

Marketing 4.

Cash to Clerk 5. F

Cash to Mr Porter 50.0
Marketing 9.7
Fruit 5.

Anchor 593
22
1186
1186
13046 — 11.

Marketing 5.

Finish'd discharging

Marketing 18 7.

Cash from Brewst 500=

Cash to Mrs Porter 2 00 5

Cook had 40 7
40
80 which
pays him up to date

Great bothers about
getting a/c of Cargo
Can do nothing about
settling — In discharge
Yesterday very night
you should know how
much is out & how much
freight is due, for in
these Charters you have
no friends, Consignee,
Broker Stevedore & weigh-
=man are all combined
against Chart in weight

Wants Chart with Books of
Directions & Nautical
almanac for 1877
water filled — Permit for Bbl
Beef

Marketing 15

Cash to Mr Porter 150 ₣

5041 20 Paid for £200
Exc 25 10½ ₣ Sent to
Baring Bros. & Co

Send B B & C £2000 - to Cr
of B & Cushing Exc 25=19½

13 00 Francs Cash
from Broker

Total Cash from
Consignee ₣ 37500
50380
Marketing 87500

Settled up with Consignee

Cash to Mr Porter 20 ₣ -

Oakum 10 ₣ "

Shipping bills ~~1845~~ Francs

Marketing ½

—

at 5 PM, Sailed from Havre

Shipping Masters bill 20 15 Francs

Marketing ~~40 7~~
Baking Powder 5.
Gratuity 10.

at 8 PM. Start Point light bear North dist 22 miles

Light breezes from E.N.E. to E.S.E.

Lat. 49 = 25

Moderate breezes from E to N.E.
Cloudy

D.R.
Lat 48 = 0 Long 8 = 0

Fresh breeze from
East going rapidly
Thick weather

D R.

Strong breeze from
East, light rain
Thick weather

have made this voyage
only $138, monthly wages

D R
Lat 44=50 Long 15=32

Thick weather.
Light breeze from
Eastward
Rainy

Thick weather, light
breeze from E. & N.E
light rain

had no observation of
the Sun since leaving
Hdone

One week out

variable ~~to~~ ce breezes
from East to S.W.

Got obs of the Sun
for first time since
leaving - Find have
overrun our reckoning
about 2° - Passed Bark
Sylph of London bound
East
Latter part fine
breeze from South

Lots of land birds are
following us especially
Owls at Night they chase
and capture the other birds

Lat 42=27 Long 25=33

~~Lat 40=43 Long 34=04~~

Comed strong breeze
from N.W. during the
night moderating gent
haulg completely
round the compass

Lat 40-43 Long 34-04

At 2 PM, wind from SSW. looking squally but Barr high at 3, heavy squalls come fueled all light sails at 6 furled everything but lower topsails & fore topmast staysail. At 9 PM were obliged to lay to Blowing a Terrific hurricane Blowing to atoms a new main lower topsail the only sail set, Also blowing away the fore & main Royals fore topgal. sl. upper & lower fore topsails jib flying jib & jib topsail also split mizzen staysail unshipping main skysl. & fore topgallant yards. in short Making our Gallant Bark that was in so fine condition – a Complete wreck, at midnight Bar. Comed rising

Lat 39 = 39 Long 34 = 34
Bar. did not go below 29.30

Still blowing a Hurricane from NW. a low thick mist flying rapidly and at times rain. rolling fearfully

Wind moderating Cont^d
Clearing way the wreck
and bending new sails

Lat 38=11 Long 37=52

Fine weather, fresh breeze from
North —
All hands employed
clearing the wreck and bending
other sails in place of those
blown away, have got no
Royals to take staysails
for fits

Lat 36=09 Long 41-17
Dist 200

Fine weather. Good breze from N.N.W.

All hands employed Clearing the wreck and repairing damages.

Broached Tierce Beef & Bbl Pork

Lat. 34=05 Long. 44=45
Dist 210

Fresh breze from W.N.W. squally

Lat. 31=18 Long. 46=29
Dist 190

Fair weather Steady breeze from W.N.W. Smooth sea & going along nicely

H. Day now got within limits of Trade winds hope to get there tomorrow — we shal see

all hands employed washing the guano out the twendecks

Lat 28=08 Long 47=50

Dist 210 S.S.W.

Moderate breezes from west

All hands employed washing the betweendecks

Lat 26=57 Long 48=39

Moderate breeze from W S W, to W N W. Fine weather

all hands employed washing out the lower hold

Lat 27=25 Long 49=33

Fine weather light wind from W S W

All hands employed washing out lower hold

Lat 24=42 Long 48=43

variable breezes from
S.W. to N.W. occasional
rain squalls

Lat. 24=00 Long 49=16

Light variable
airs all around the
Compass. At 5 PM
Come a breath of
trades but it
died out and
light airs come from
~~southward~~

Finishing washing out the
hold which have been
most all the week upon
out tis done thoroughly

Lat. 22=37 Long 50=00

Light airs from South=ward, where are the trades?

How I desire to know who is elected President

I hope and trust a Republican

for if a Democrat is elected we shal have ex rebels to rule and reign over us

Lat. 22=26 Long. 50=14

Light breezes from East=ward, which probably is the "Trades"

All hands employed about ships duty myself & steward scrubbing & polishing after Cabin & putting on lock on trunk

Sail maker repair=ing main topsail that split in gale

Lat. 21=42 Long. 51=24

Fine, moderate trades
from E.S.E.

Lat. 20=35 Long. 57=06

Fine moderate breeze
from ESE, to South

Lat. 20=26 Long 56=47

Light variable airs
light rain showers

Lat 20 = 35 Long 57 = 36

Light airs from various
quarters: light rain
showers

20 = 16 Long 58 = 27

Light airs from NW, to East and Calm
All hands employed at ships duty, repairing sails.

Lat. 20=20 Long. 57=11

Fine wind from SE to SW, at first light, gotten port fresh breeze - going rapidly forward

Lat. 21=05 Long. 61=30

Light variable breys
rain squalls
several sail
in sight

Lat. 22=47 Long. 64=21

Light airs from N.E.

Lat. 23°=06' Long. 65°=59'

variable winds all
round the compass &
fresh breezes. Rain squally

Lat 23=49 Long 68=25

~~Lat. 24=22 Long 69=42~~

Lat 24=22 Long 69=42

First part strong breezes from SW reef'd topsails at 4 am, Come a squall with rain from N.W.

Saw a Steamer standing south

Broach'd Tierce Buf 20 days

Lat. 26=07 Long 71=38.

Strong breeze from W. N.W.

24=33 Long 72=25

DECEMBER, SUNDAY 3. 1876.

Fresh breezes from N.W.

Lat 26=19 Long 71=38

DECEMBER, MONDAY 4. 1876.

Light airs from N.W.

Lat. 25=39 Long. 72=46

Fine weather. Calm. & light breezes from N.W. & West

Lat. 26 - 21 Long. 72 - 49

Fine weather light airs from westward varnishing the deck &c all hands employed making a coin box

~~Lat 24 - 42 Long. 74 - 34~~

Lat 27 - 02 Long 73 - 26

light airs from westward
& Calm

Sat 26=42 Long 74=35

First part light airs
from westward
latter part backed
from S.W. Bar Cond
falling. Breeze increas
=ing.

Sat. 28=22 Long 75=53

First part Strong gale from S.W. latter part moderating & hauling from W.N.W.

Lat 29=39 Long 76=35

45 days out

Predicted to arrive

First strong from N.W. latter part moderating & veering from N.E.

Fine weather & smooth

Lat 29=30 Long 78=19

Sight buoys from Wilmington at 3 PM, made the land to Southward of Savannah at 8 PM, got a Pilot.

at 3 AM anchor'd in Tybee outer roads.

take in pocket $50 gold Sovereigns £10.

Got Savannah in tug boat arrive at 2 PM.

Dinner 75.

Stopping at Marshall House.

Take 1000 Bales at 7/16th pr Liverpool
no Consignment &
2½ ℔ Compress
from Tyler press

at 10 AM get telegram
from B&C do best Cow
at this Port

Send Tyler boat
down to take Bark up
to town at 5 PM, Come
to ballast wharf lower
part of town

Board $3.

Reynolds to Jersey off men

Mr Graybill draw from
Bank on ac of Ches
$1000 -

Pay to Custom House
$ 676 -
" 50 Cash

Gave to U S. Commissioner to pay men. 10 —

Dinner 50

Cash from Grozbill $70 —

Marketing $4.10 — (6 Doz Eggs 35 c, 2 fowl .75)

medicine $1.50 —

Clothing for Mr Bowden
" to sail Maker $24 / Shillings
$1.50

Cash to Mr Bowden $5.
Steward 3.

5½ in hole B for

8 in O

Bowsprit

3½ foot long
5 in thick
[illegible] wide

Sent for the PO order
for $25,
Cash from Graytile
$50

Mr Bowden Knife .25

275 tons Ballast
taken out

Marketing $3.55

Lamps $2

Ride out to Buenovento

Pay for Saloon $2,

Lamps Chimneys $1

Torkin first Cargo

Marketing $1.25

Draft of water 11½ & 10½

Cash from Graybill $50.

Marketing $2.45

Pay for Labor $3.90

Shoes for Boy Joe $1.40

Sold ~~$140~~ gold at 7% prem
9.80
140.00
~~2380~~
$149.80 Cash

Marketing $2.50
vegitables 1.50
4.00

Crockery $5.50

Cash to Steward $5.
" " Mr. Borden " 10.

Christmas day ...
Cold N.E. Storm
on board all day alone

Marketing $1.

Cash for Labor 1.50

Stormy –

Soap $2.50

Stormy.

Marketing $1.50

Stormy — Take no Cargo

Send Compass to Boston in Steamer Worcester

Cash to Steward $4—

Clear weather & Cold

Marketing 4 3 55

Marketing .55

" 2 55

Towels .65

Tuesday 2nd 1877

Marketing $4.75

Labor $1.50

Cash to Mr Bowdent $2.
Steward 2.

Labor 1.85

CASH ACCOUN—DECEMBER.

Date.	Days.		Received.	Paid.
26th		Signed for	250	Bales
27th	"		300	"
	"		370	
30th	"	NIX	50	
"		CUN	50	
"		H B	250	Lamar

CASH ACCOU

JANUARY,	
FEBRUARY,	
MARCH,	
APRIL,	
MAY,	
JUNE,	
JULY,	
AUGUST,	
SEPTEMBER,	
OCTOBER,	
NOVEMBER,	
DECEMBER.	

CASH ACCOUNT—DR. NOTES.

Date			
24	"	for	2.14
			3.17

Pork
Flour 6½-7½-8
Mamalya 15 c
Duck 31 c

2.20

CASH ACCOUNT—DISCOUNTED NOTES.

Date				Cents

CASH ACCOUNT—DISCOUNTS.

Date			Cents

CASH ACCOUNT—NOTES.

Date

CENTS

for 2/3